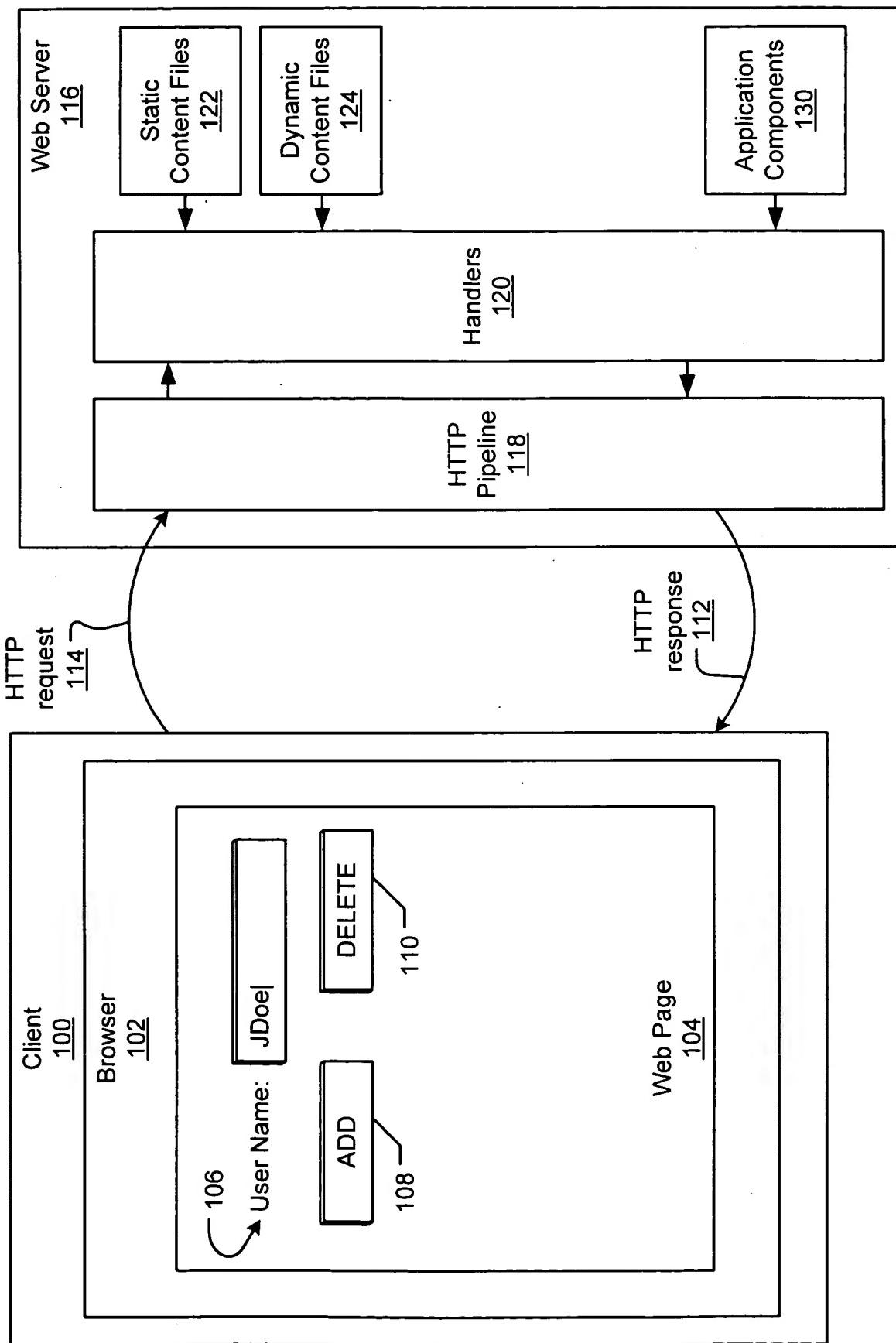
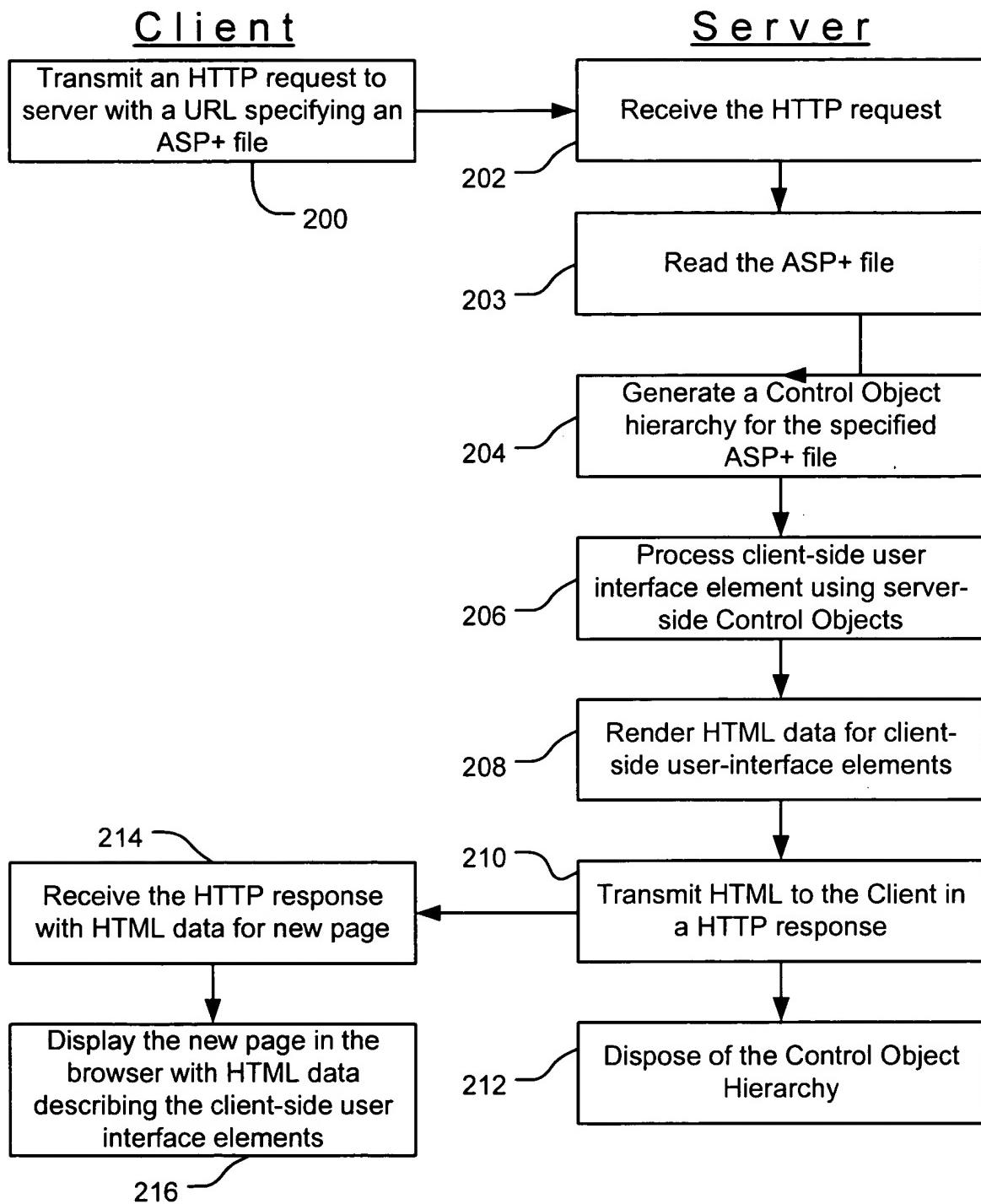


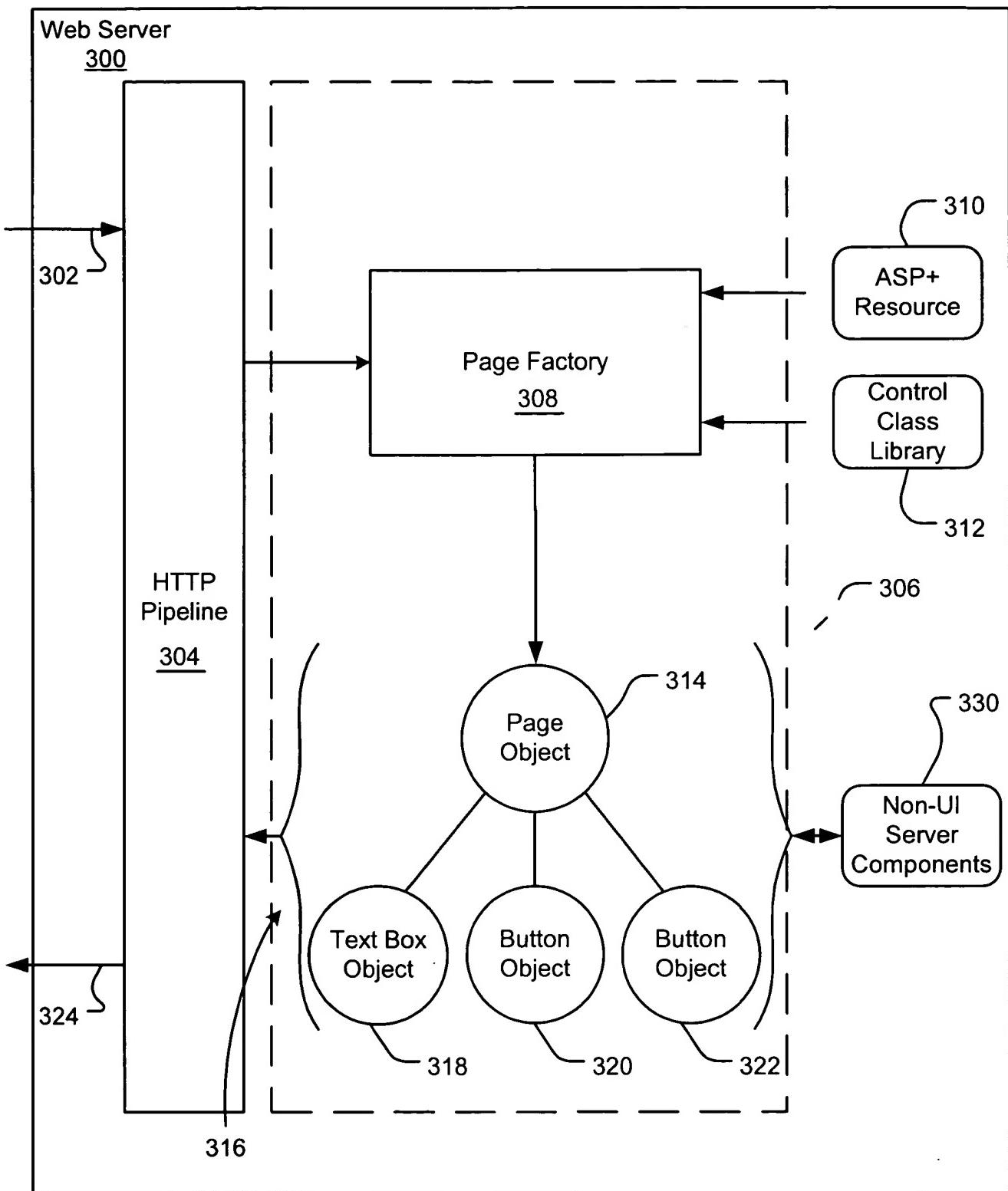
**FIG. 1**



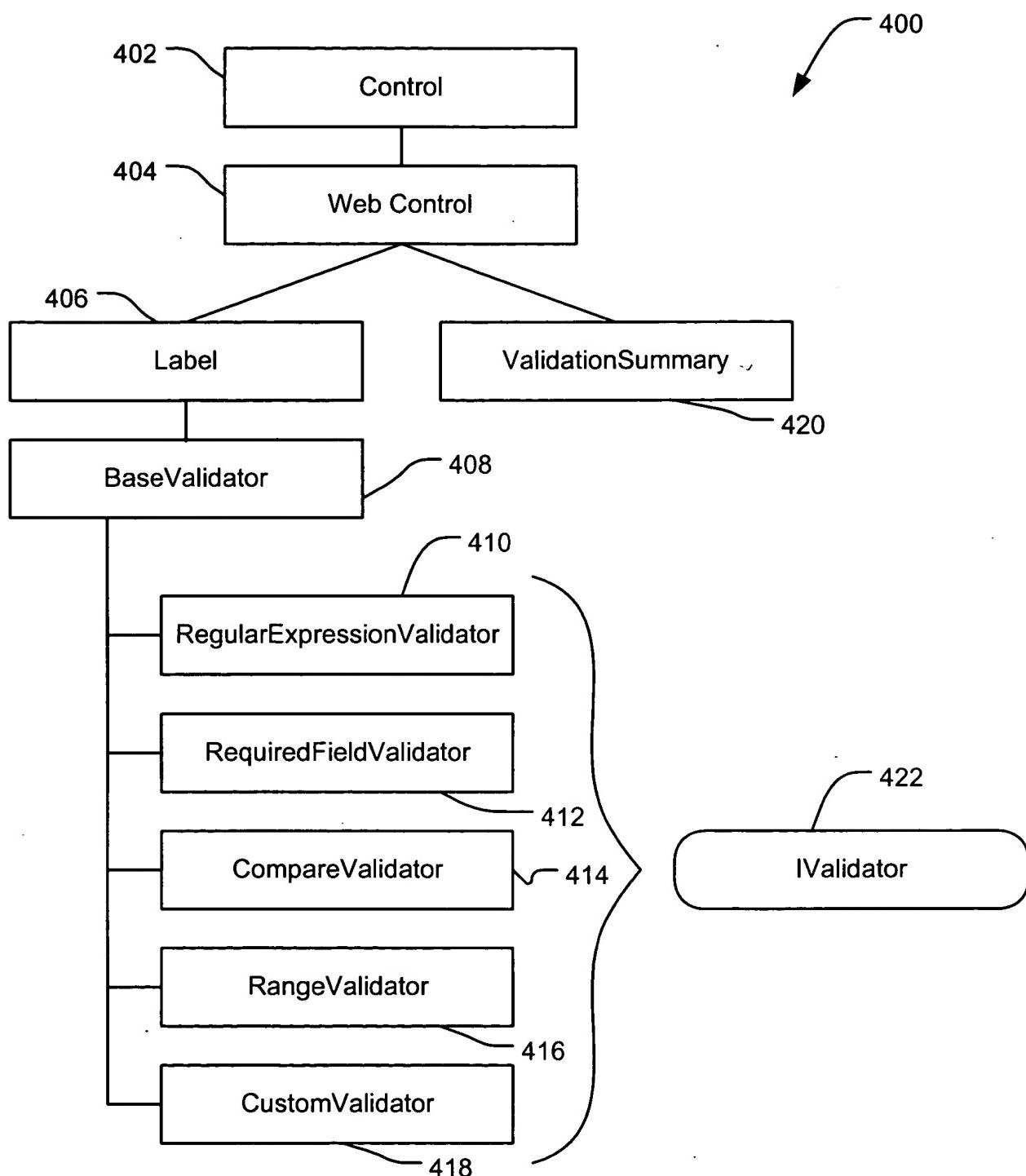
0 0 0 0 0 0 0 0 0 0



**FIG. 2**



**FIG. 3**



**FIG. 4**

500 ↘

```
(1)  namespace System.Web.UI
(2)  {
(3)      public interface IValidator
(4)      {
(5)          // Properties
(6)          public Boolean    IsValid           {get;set;}
(7)          public String     ErrorMessage       {get;set;}
(8)
(9)          // Methods
(10)         public void      Validate();
(11)     }
(12) }
```

**FIG. 5**

600 ↘  
↓

```
(1)  namespace System.Web.UI  
(2)  {  
(3)      [AttributeUsage(AttributeTargets.Class)]  
(4)      public class ValidationProperty : Attribute  
(5)      {  
(6)          // Properties  
(7)          public String      ValidationProperty {get;}  
(8)          // Constructor  
(9)          public      ValidationProperty(String propertyName);  
(10)         }  
(11)     }  
(12) }
```

**FIG. 6**

700 ↴

```
(1)  namespace System.Web.UI  
(2)  {  
(3)      public class Page : TemplateControl  
(4)      {  
(5)          // Properties  
(6)          public Boolean           IsValid           {get;}  
(7)          public ValidatorCollection Validators {get;}  
(8)      }  
(9)  }
```

**FIG. 7**

800

```
(1)  namespace System.Web.UI
(2)  {
(3)      public class BaseValidator : Label, IValidator
(4)      {
(5)          // Properties
(6)          public String           ControlToValidate {get; set;}
(7)          public Boolean          IsValid        {get; set;}
(8)          public String           ErrorMessage   {get; set;}
(9)          public ValidatorDisplay Display     {get; set;}
(10)         public String          Text        {get; set;}
(11)         Public Boolean        EnableClientScript {get; set;}
(12)
(13)          // Methods
(14)          public void            Validate();
(15)
(16)
(17)          public enum ValidatorDisplay
(18)          {
(19)              None = 0;    // Validator is always invisible; used when the error
(20)                                // message is only shown in a ValidationSummary
(21)              Static = 1;  // Validator takes up space even when hidden
(22)              Dynamic = 2; // Validator takes up space only when visible
(23)
(24)      }
```

**FIG. 8**

800 ↴

```
(1)  namespace System.Web.UI  
(2)  {  
(3)      public class RegularExpressionValidator : BaseValidator  
(4)      {  
(5)          // Properties  
(6)          public String ValidationExpression {get;set;}  
(7)      }  
(8)  }
```

**FIG. 9**

0  
10  
20  
30  
40  
50  
60  
70  
80  
90  
D  
= 2  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
2A  
2B  
2C  
2D  
2E  
2F

1000 ↘

```
(1)  namespace System.Web.UI
(2)  {
(3)      public class RequiredFieldValidator : BaseValidator
(4)      {
(5)          // Properties
(6)          public String     initialValue {get;set;}
(7)      }
(8)  }
```

**FIG. 10**

1100 ↘

```
(1)  namespace System.Web.UI
(2)  {
(3)      public class CompareValidator : BaseValidator
(4)      {
(5)          // Properties
(6)          public ValidationDataType      Type      {get; set;}
(7)          public ValidationCompareOperator    Operator   {get; set;}
(8)          public String                  ControlToCompare {get; set;}
(9)          public String                  ValueToCompare   {get; set;}
(10)
(11)     }
(12)     public enum ValidationComparisonOperator
(13)     {
(14)         Equal = 0,
(15)         NotEqual = 1,
(16)         GreaterThan = 2,
(17)         GreaterThanEqual = 3,
(18)         LessThan = 4,
(19)         LesserThanEqual = 5,
(20)         DataTyhpeCheck = 6,
(21)     }
(22)     public enum ValidationDataType
(23)     {
(24)         String = 0,
(25)         Integer = 1,
(26)         Double = 2,
(27)         Date = 3,
(28)         Currency = 4,
(29)     }
(30) }
```

**FIG. 11**

1200 ↘

```
(1)  namespace System.Web.UI
(2)  {
(3)      public class RangeValidator : BaseValidator
(4)      {
(5)          // Properties
(6)          public ValidationDataType    Type {get;set;}
(7)          public String               MinimumControl {get;set;}
(8)          public String               MinimumValue  {get;set;}
(9)          public String               MaximumControl {get;set;}
(10)         public String              MaximumValue  {get;set;}
(11)     }
(12) }
```

**FIG. 12**

3  
2  
3  
2  
3  
2  
3  
2  
3  
2  
3  
2  
3  
2  
3

1300 ↴

```
(1)  namespace System.Web.UI
(2)  {
(3)      public class CustomValidator : BaseValidator
(4)      {
(5)          // Properties
(6)          public String ClientValidationFunction {get;set;}
(7)          public Event void OnServerValidationFunction(Object Source,
(8)                                         ServerValidateEventArgs Value) {get; set;}
(9)
(10)         public class ServerValidateEventArgs: EventArgs
(11)         {
(12)             public ServerValidateEventArgs(string value, Boolean isValid);
(13)             public String Value {get;}
(14)             public Boolean IsValid {get;set;}
(15)         }
(16)     }
```

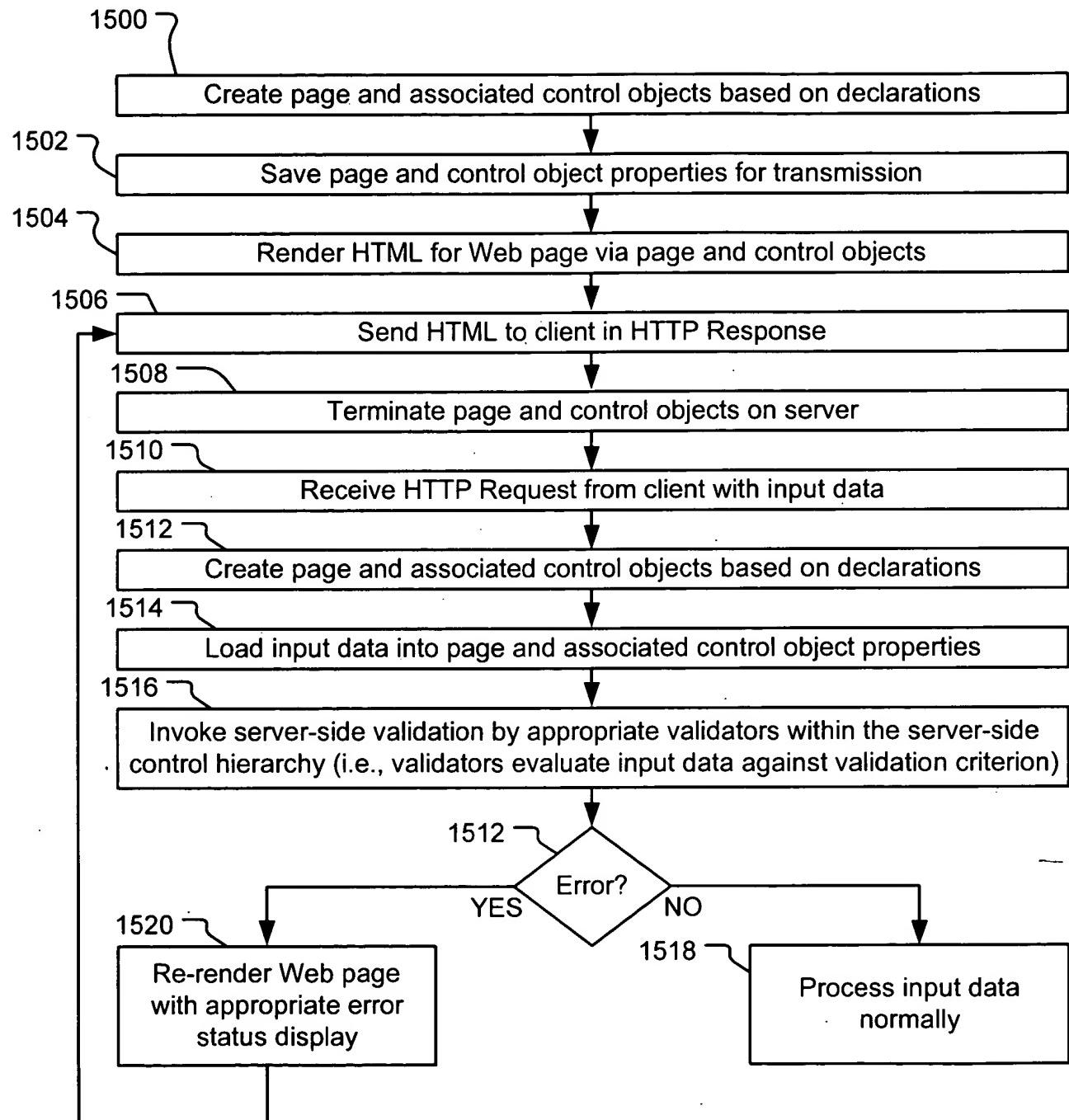
**FIG. 13**

1400 ↘

```
(1)  namespace System.Web.UI
(2)  {
(3)      public class ValidationSummary : WebControl
(4)      {
(5)          // Properties
(6)          public String HeaderText {get; set;}
(7)          public ValidationSummaryDisplayMode DisplayMode {get; set;}
(8)          public Boolean ShowSummary {get; set;}
(9)          public Boolean ShowMessageBox {get; set;}
(10)     }
(11)     public enum ValidationSummaryDisplayMode
(12)     {
(13)         List = 0;
(14)         BulletList = 1;
(15)         SingleParagraph = 2;
(16)     }
(17) }
```

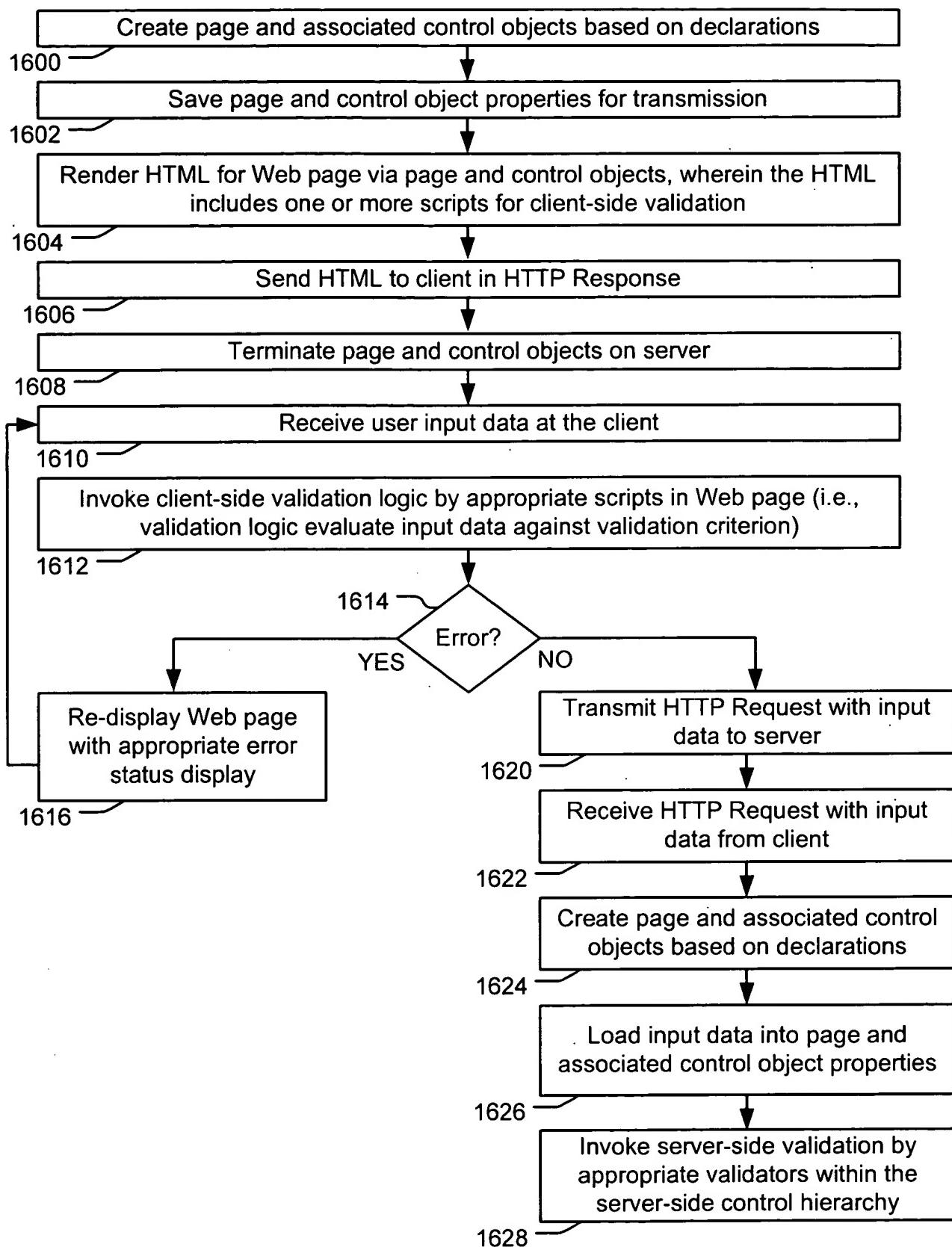
**FIG. 14**

10  
9  
8  
7  
6  
5  
4  
3  
2  
1



**FIG. 15**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



**FIG. 16**

**FIG. 17**

